

Water-Data Report 2008

04219000 ERIE (BARGE) CANAL AT LOCK 30, MACEDON, NY

Oswego Basin
Seneca Subbasin

LOCATION.--Lat 43°04'20", long 77°17'45" referenced to North American Datum of 1927, Wayne County, NY, Hydrologic Unit 04140201, on left bank in Macedon, 500 ft downstream from headgate in old Erie Canal, 700 ft downstream from bridge on State Highway 350, 0.2 mi downstream from Lock 30, and 2.6 mi upstream from Ganargua Creek.

DRAINAGE AREA.--

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1919 to December 1920, October 1950 to September 1977, October 1977 to current year (navigation seasons only). Prior to October 1956, published as "Barge Canal at Lock 30, Macedon."

REVISED RECORDS.--WSP 1237: 1951

GAGE.--Water-stage recorder. Datum of gage is 447.58 ft above NGVD of 1929. Nov. 1, 1919 to Dec. 28, 1920, nonrecording gage at same site at different datum.

COOPERATION.--Records of gate openings, lockages, lock-valve openings, and elevations of water surface in Erie (Barge) Canal upstream and downstream from Lock 30 furnished by New York State Canal Corporation.

REMARKS.--Records fair. Missing record Aug. 18 to Sep. 30 due to recorder failure. This record represents net diversion from Niagara River basin into Oswego River basin through Erie (Barge) Canal. During the non-navigation period, when the pool upstream from Lock 30 is drained, discharge consists of leakage through guard gates, runoff from small areas tributary to canal upstream from station, or diversion for use downstream in the Canal system.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 874 ft³/s, Dec. 3, 1969, maximum instantaneous discharge not determined; no significant flow at times in many years.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 356 ft³/s, June 15, July 5; minimum daily discharge, 154 ft³/s, Nov. 17. Maximum and minimum instantaneous discharges not determined.

04219000 ERIE (BARGE) CANAL AT LOCK 30, MACEDON, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	277	246	---	---	---	---	---	176	335	333	303	---
2	270	220	---	---	---	---	---	174	332	343	302	---
3	271	199	---	---	---	---	---	180	329	336	309	---
4	268	178	---	---	---	---	---	178	332	343	302	---
5	266	182	---	---	---	---	---	178	319	356	310	---
6	260	182	---	---	---	---	---	179	328	343	314	---
7	259	180	---	---	---	---	---	185	353	349	321	---
8	295	180	---	---	---	---	---	212	324	335	312	---
9	309	180	---	---	---	---	---	220	323	351	336	---
10	299	178	---	---	---	---	---	223	322	344	330	---
11	291	174	---	---	---	---	---	216	324	342	320	---
12	280	172	---	---	---	---	---	218	333	338	314	---
13	279	176	---	---	---	---	---	213	333	346	310	---
14	278	170	---	---	---	---	---	224	347	341	309	---
15	280	173	---	---	---	---	---	241	356	337	295	---
16	285	172	---	---	---	---	---	277	334	354	309	---
17	279	154	---	---	---	---	---	283	342	336	299	---
18	279	---	---	---	---	---	---	279	342	334	---	---
19	280	---	---	---	---	---	---	286	346	342	---	---
20	278	---	---	---	---	---	---	283	337	327	---	---
21	290	---	---	---	---	---	---	286	348	332	---	---
22	282	---	---	---	---	---	---	286	345	333	---	---
23	281	---	---	---	---	---	---	284	338	332	---	---
24	277	---	---	---	---	---	---	287	337	334	---	---
25	273	---	---	---	---	---	---	294	340	325	---	---
26	263	---	---	---	---	---	---	287	349	332	---	---
27	263	---	---	---	---	---	---	303	346	309	---	---
28	249	---	---	---	---	---	---	324	344	311	---	---
29	243	---	---	---	---	---	---	341	341	305	---	---
30	240	---	---	---	---	---	158	340	338	298	---	---
31	246	---	---	---	---	---	---	325	---	303	---	---
Total	8,490	---	---	---	---	---	---	7,782	10,117	10,344	---	---
Mean	274	---	---	---	---	---	---	251	337	334	---	---
Max	309	---	---	---	---	---	---	341	356	356	---	---
Min	240	---	---	---	---	---	---	174	319	298	---	---